



HYBRID



PLUG-IN



FUEL CELL



BATTERY



U.S.-China Electric Vehicles Forum *Beijing, China*

Economics of EV Market/Future of EV Industry

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President

September 29, 2009

EDTA Board of Directors

Officers:



Energy Future Holdings



GRIDPOINT



nationalgrid



RP Associates



The Future of Electrified Transportation

- Vehicles and fuels need to develop in parallel.
- Vehicle electrification is well underway.



Vehicle Perspective

Hybrid Electric Vehicles:

2010 Mercedes S400 Hybrid
2010 Ford Fusion Hybrid
2010 Honda Insight Hybrid
2010 Hyundai-Kia Hybrid
2010 Lexus HS 250h
2010 Mercedes E Class Hybrid
2010 Porsche Cayenne S Hybrid
2010 Toyota Camry Hybrid
2010 Toyota Prius Hybrid
2011 Peugeot Diesel Hybrid*
2011 Suzuki Kizashi Hybrid

Battery Electric Vehicles:

2009 Subaru Stella 4 seat
2009 Smart forTwo EV
2009 ZENN cityZENN BEV
2010 Chevy Volt Extended Range BEV
2010 Chrysler EV
2010 Coda Automotive Sedan
2010 Mitsubishi iMiEV BEV
2010 Nissan Leaf EV
2010 Ford Battery Electric Van
2010 Peugeot Urban EV*
2010 Tesla Roadster Sport EV
2011 Renault Kangoo Z.E. EV*
2011 Renault Fluence Z.E. EV*
2011 Tesla Model S Sedan EV*
2011 BYD e6 Electric Vehicle
2011 Ford Battery Electric Small Car
2011 Opel Ampera Extended Range BEV*
2012 Renault City Car EV*
2012 Renault Urban EV*
2013 Volkswagen E-Up EV*
2016 Tesla EV

Plug-in Hybrid Vehicles:

2009 Fisker Karma S Plug-in Hybrid
2009 Toyota Plug-in Hybrid
2011 BYD F3DM Plug-in Hybrid
2012 Bright Automotive IDEA Plug-in Hybrid
2012 Ford Plug-in Hybrid
2012 Volvo Plug-in Hybrid

**Europe*

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The Future of Electrified Transportation

- The grid is becoming more efficient, more reliable, cleaner, and smarter.
- Vehicle electrification and grid modernization both require greater energy storage.





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